



## State of Nevada – Department Of Personnel

### CLASS SPECIFICATION

<u>TITLE</u>	<u>GRADE</u>	<u>EEO-4</u>	<u>CODE</u>
RAILROAD RESTORATION SPECIALIST II	31	G	9.456
RAILROAD RESTORATION SPECIALIST I	27	G	9.457

#### SERIES CONCEPT

Incumbents in this class restore and maintain vintage railroad rolling stock which includes disassembling rolling stock, cleaning components, fabricating wood and metal components; performing painting and finishing work; and perform related duties as required.

Disassembles vintage railroad rolling stock and cleans components as preparation for further restoration activities. Disassembly includes removing glass from windows, pulling up flooring, removing siding, and unbolting brake rigging. Components are cleaned using techniques such as sand blasting, paint stripping, scraping, chipping, and wire bushing.

Milling of lumber required for building new or replacement components such as wooden car frames; finish woodwork; molding and trim work; by using hand tools and machine tools including table saws, radial arm saws, planers, jointers, shapers, and drill press.

Fabricates metal fasteners and replacement parts in order to repair or replace parts from railroad rolling stock. This is accomplished by welding, machining, pipe fitting, and machine tool operation.

Prepares and paints rolling stock components by sanding and filling wood; brush painting using prescribed finishing techniques; then reassembling components in order to restore rolling stock to desired appearance.

Maintains rolling stock to ensure satisfactory appearance and proper working condition by washing, waxing and polishing exteriors, lubricating equipment, repairing defects and damage, refastening, and assisting in preparation for annual boiler inspection.

Assists in safe transportation of rolling stock from point of origin to museum by disassembling and reassembling components as necessary; preparing equipment for transportation; loading and unloading rolling stock from transport vehicles.

Assists walk-in visitors and telephone callers inquiring about the railroad museum, railroad history or restoration activities by providing requested information or directing to appropriate personnel.

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#### CLASS CONCEPTS

##### RAILROAD RESTORATION SPECIALIST II

Positions allocated to this class work under the general supervision of the Railroad Restoration Supervisor and perform, at journey level, a variety of duties described in the series concept as well as the following duties:

In preparation for further restoration, maintains records of disassembled rolling stock; identifies and notes unusual situations such as pieces of wood with identifying marks; determines best method for cleaning parts; sorts and evaluates cleaned parts to determine whether or not they can be repaired.

**CLASS CONCEPTS (cont.)**

Following blueprints and supervisor's instructions, estimates the amount and kind of materials required for repair or installation; researches availability of materials; prepares layout; marks cutting and assembly lines or weld points on materials. Sets up and operates metal and wood fabricating equipment. Inspects assemblies and installation for conformance with specifications in order to repair, rehabilitate, and restore rolling stock.

Using knowledge of paint, finishing techniques, and assembly process, selects most appropriate paint and technique to use and determines order in which components will be reassembled.

Performs equipment maintenance in accordance with established maintenance schedule and maintains record of date and type of maintenance performed for future reference.

Incumbents also provide lead worker supervision to Railroad Restoration Specialist I's.

**RAILROAD RESTORATION SPECIALIST I**

Positions allocated to this class work under general supervision of the Railroad Restoration Specialist II and perform a variety of duties described in the series concept.

Duties such as disassembly and painting are performed independently after an initial training period. Incumbents also provide assistance to the Railroad Restoration Specialist II in the performance of the more complex aspects of wood and metal restoration.

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**MINIMUM QUALIFICATIONS**

**RAILROAD RESTORATION SPECIALIST II**

**EDUCATION AND EXPERIENCE:**

I

Graduation from high school or the equivalent education and five years of journey level experience in a wood related occupation such as carpentry, framing, or installation; OR

II

Graduation from high school or the equivalent education and five years of journey level experience in a metal related occupation such as welding, fabrication, or machining; OR

III

Five years of experience as a Railroad Restoration Specialist I in Nevada State service.

**EQUIVALENCY STATEMENT:**

Each year of education above the high school level in a related trade or vocational program may be substituted for one year of experience, up to two years.

**MINIMUM QUALIFICATIONS (cont.)**

**FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES:** (These may be acquired on the job and/or needed to perform the work assigned.)

Working knowledge of railroad terminology, rolling stock and related railroad equipment. Working knowledge of rolling stock maintenance.

Ability to identify rolling stock parts, determine condition and whether parts can be repaired.

**ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES:** (Applicants will be screened for possession of these through written, oral, performance or other evaluation procedures.)

Journey level skill in the set-up and operation of all machine tools used in restoration work. This includes: table and radial saws; planer; jointer; shaper; mills; lathes; cut-off saws; welding equipment; fabrication equipment.

General knowledge of finishing techniques and proper application methods. Working knowledge of wood or metal materials, their characteristics and uses. General knowledge of procedures and methods used to prepare and maintain records.

Ability to read and follow blueprints. Ability to layout work, cut, shape and assemble work in accordance with specifications applying journey level skill in carpentry, welding, brazing and blacksmithing. Ability to calculate material requirements. Ability to assign and monitor work, and train subordinates in completing tasks.

In addition to all other knowledge, skills and abilities required for the lower level of the series.

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**RAILROAD RESTORATION SPECIALIST I**

**EDUCATION AND EXPERIENCE:**

Graduation from high school or the equivalent education and two years of semi-skilled experience in the trades.

**FULL PERFORMANCE KNOWLEDGE, SKILLS AND ABILITIES:** (These may be acquired on the job and/or needed to perform the work assigned.)

Basic carpentry skills including cutting lumber to specified size and assembling cut and shaped materials together with nails or glue.

Basic metal working skills including positioning and clamping workpieces together and welding metal parts together as specified by work order.

General knowledge of rolling stock maintenance. General knowledge of agency safety procedures and rules.

Ability to learn principles and skills required for journey level wood and metal fabrication work. Ability to speak with persons of various backgrounds, using appropriate vocabulary and grammar, to explain railroad history and restoration activities.

**MINIMUM QUALIFICATIONS (cont.)**

**ENTRY LEVEL KNOWLEDGE, SKILLS AND ABILITIES:** (Applicants will be screened for possession of these through written, oral, performance or other evaluation procedures.)

General knowledge of railroad terminology, rolling stock, related railroad equipment, and railroad history.

Ability to use and operate basic hand tools. Ability to follow oral and written instructions. Ability to write brief sentences in order to maintain notes of work activities and label components. Ability to interact with the public in a tactful and courteous manner. Ability to perform heavy labor for extended periods including lifting up to 100 pounds, under conditions which require exposure to high noise, dirt, dust, and hot and cold temperatures. Ability to read documentation in standard English text.

This class specification is used for classification, recruitment and examination purposes. It is not to be considered a substitute for work performance standards for positions assigned to this class.

ESTABLISHED:	<u>9.456</u> 7/1/89P 6/9/89PC	<u>9.457</u> 7/1/89P 6/9/89PC
REVISED:	7/1/91P 11/29/90PC	7/1/91P 11/29/90PC